



Heat Pump Monoblock

air to water

A functional solution for heating and DHW

Model no.		LAVA-06AM	LAVA-09AM	LAVA-12AM	
IP rating		IPXX	IPX4	IPX4	
POWER SUPPLY					
Power supply - Outdoor unit	Outdoor unit	V / Hz / Ph	230V/50Hz/1ph	230V/50Hz/1ph	230V/50Hz/1Ph
	Fuse Outdoor unit	A	1p/ A/C	1p/ A/C	1p/ A/C
PERFORMANCE					
Min/max heating capacity (1)		kW	3.4~6.5	5.4~9.7	5.9~11.9
El. heating power input min/max (1)		KW	0.74~1.5	1.2~2.4	1.3~2.9
C.O.P min/max (1)		W/W	4.26~4.6	4.04~4.53	4.05~4.67
Min/max heating capacity (2)		kW	3.1~5.9	5.1~8.8	6~11.5
El. heating power input min/max (2)		KW	0.92~1.7	1.5~2.9	1.6~3.6
C.O.P min/max (2)		W/W	3.41~3.5	3.03~3.4	3.19~3.66
SCOP - Average climate, low temperature		W	4.6	4.61	4.62
Energy class			A+++	A+++	A+++
Min/max cooling capacity (3)		kW	3.1~6.5	4.2~9.1	5.1~11.3
El. cooling power input min/max (3)		KW	0.82~1.9	1.28~2.5	1.34~3.4
E.E.R. min/max (3)		W/W	3.32~3.8	3.28~3.71	3.33~3.82
Min/max cooling capacity (4) (A35/W7)		kW	1.8~4.8	3.8~7.5	4.2~8.1
El. cooling power input min/max (4)		KW	0.66~2.54	1.6~2.7	1.6~3.1
E.E.R. min/max (4)		W/W	2.54~2.7	2.46~2.72	2.61~2.73
Min/max ambient working temp. in heating mode		°C	-25~43	-25~43	-25~43
Min/max ambient working temp. in cooling mode		°C	7~43	7~43	7~43
Max flow temp. in heating mode		°C	60	60	60
Min flow temp. in heating mode		°C	20	20	20
Min flow temp. in cooling mode		°C	7	7	7
Sound power level	Outdoor unit	dB (A)	52	53	53
	Indoor unit	dB (A)	/	/	/
COMPONENTS					
Fan	Yes	pcs	1	1	1
	Airflow	m³/h	2500	3280	3280
	Rated power	W	32	62	62
	Blade diameter	mm	φ455	φ550	φ550
Titanium tube heat exchanger	Water press. drop	kPa	22	22	26
	Piping connection	Inch	1 "Inner gorve	1 "Inner gorve	1 "Inner gorve
Refrigerant	type	/	R32	R32	R32
	charge	kg	0.75kg	1.15kg	1.3kg
Compressor	type	/	Rotary	Rotary	Rotary
HYDRAULICS					
Minimum water flow		m³/h	0.5m³/h	0.8m³/h	1.03m³/h
Nominal water flow		m³/h	1.0m³/h	1.6m³/h	2.06m³/h
Hydraulic connections		Size	1 "Inner gorve	1 "Inner gorve	1 " Inner gorve
DIMENSIONS AND WEIGHT					
Net Dimensions (Lx D x H)	Outdoor unit	mm	1015x380x700	1175x380x845	1175x380x845
Brutto Dimensions (L x D x H)	Outdoor unit	mm	1080x470x865	1245x480x1020	1245x480x1020
Net weight	Outdoor unit	kg	70	79	82
Brutto weight	Outdoor unit	kg	81	90	93
INCLUDED WITH THE UNIT					
WiFi module		Yes / No	Yes	Yes	Yes
Communication cable		m	20	20	20

(1) Heating condition: water inlet/outlet temperature: 30 °C/35°C, Ambient temperature: DB 7 °C /WB 6°C

(2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7 °C /WB 6°C

(3) Cooling condition: water inlet/outlet temperature: 23 °C/18°C, Ambient temperature: DB 35 °C /WB 24°C

(4) Cooling condition: water inlet/outlet temperature: 12°C/7°C, Ambient temperature: DB 35 °C /WB 24°C

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